

Wireless Communications System With Cycling Of Unique Cell Bit Sequences  
In Station Communications

ABSTRACT OF THE DISCLOSURE

A wireless communication system (10). The system comprises transmitter circuitry (BST1) comprising circuitry for transmitting a plurality of frames to a receiver in a first cell (Cell 1). Each of the plurality of frames comprises a bit group (22), and the bit group uniquely distinguishes the first cell from a second cell (Cell 2) adjacent the first cell. The transmitter circuitry further comprises circuitry (54) for inserting a bit sequence into the bit group. The bit sequence is selected from a plurality of bit sequences ( $S_1$ - $S_K$ ) such that successive transmissions by the transmitter circuitry comprise a cycle of successive ones of the plurality of bit sequences.

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